

# The Power of Your Data

## Increase Your Plant's Potential

Are you taking advantage of your data? Collecting information about your operations improves your processes, helps you analyze your efficiencies, and grows your business. Our Industrial Analytics experts can help turn your data into action.

### Turn Your Data Into Actionable Steps

- ✓ Collect process and transactional data
- ✓ Track historical trends
- ✓ Produce real-time reporting
- ✓ Monitor your ongoing progress

### Revolutionize Your Operation



Data Integration & Management



Data Storage



Custom Solutions



Evaluations & Visualizations



Analytics

## The Process What You Can Expect

The Interstates Method	Case in Point
<b>1 Discovery</b> Determine goals and identify key pieces of information.	A pig feed producer wants to produce more feed in the same amount of time at their plant. They have an idea of what is slowing their process, but they aren't sure.
<b>2 Collection</b> Gather needed data to address identified goal.	Interstates gathers data through various devices around problem areas and stores it in a database for analysis.
<b>3 Analysis &amp; Improvement</b> Estimate cost of improvement, measure results, and return on investment (repeat).	Interstates analyzes the data and produces recommendations for change based on expected return on investment, helping the pig feed producer make more product at little cost.

## What is the Value of Industrial Analytics

- Material Management
- Preventative Maintenance
- Inventory Management
- Quality Control
- Energy Efficiency
- Process Efficiency
- Product Monitoring
- Forecast and Predictive Capabilities

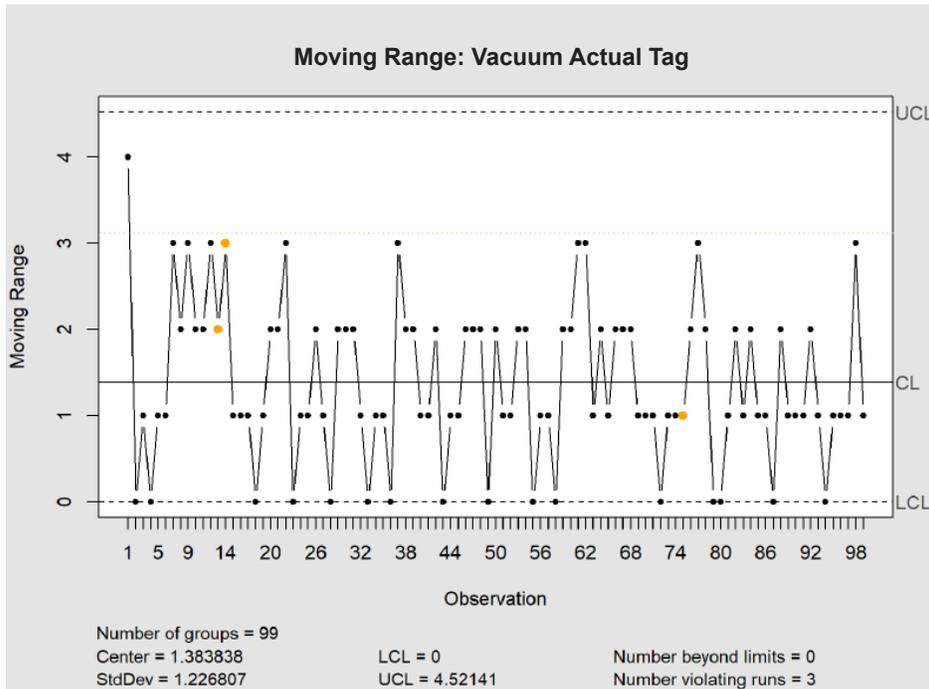
## The Value of Real-Time Information

When used appropriately, information available on the plant floor can provide intelligence to help you improve efficiencies, streamline operations, and save money. At Interstates, we understand the power of your data. Our Industrial Analytics team has more than 70 years of combined industry experience turning manufacturing plant potential into reality through improved accuracy and timeliness in data collection, control, and analysis.

By collecting real-time and transactional data through historians and other data-collection tools, you'll get valuable reports and dashboards developed to effectively manage all your manufacturing needs. Continuous process improvement through data collection and process analytics is an important competitive advantage in the manufacturing industry.

## How We Work Turning Data Into Action

The graph below is a control chart depicting the pattern of a vacuum tag of a discrete production process. This chart is highlighting continued data points that vary from control limit. If a point is off the control limit for seven consecutive observations, a yellow dot is indicated. This type of chart gives operators a quick view into changes of a process over time.



# INTERSTATES

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## The Best Tools for the Job



### Integration

deviceWISE  
KNIME  
DataGrabber



### Management

GE Historian  
FactoryTalk Historian  
MS SQL Server  
OSI PI



### Visualizations

Power BI  
Tableau  
Spotfire



### Customization

R  
Python  
Javascript

## Ready to Get Started?

Our skilled experts are standing by ready to assist you with all your industrial analytics needs. Contact us to learn more about our services and determine the best way to utilize the power of your data.

**Industrial Analytics Team**  
**605.988.0833 x 7123**